May 12, 2003

Dear Ms. Chang,

Attached please find the results of your Fast & Focused search request for application #09/224,376. I searched Dialog's foreign patent files and technical databases.

Please let me know if you have any questions.

Regards,

Geoffrey St Leger
4B30/308-7800

L Number	Hits	Search Text	DB	Time stamp
9	4	5938732.uref. and (beat$5 heartbeat$5 ping)	USPAT	2003/05/14 14:01
10	198	(link-beat$5 heartbeat$5 ping) with (modify$6 chang$6) with rate$5	USPAT	2003/05/14 16:13
11	1	5938732.pn. and (avail$6 presen$6)	USPAT	2003/05/14 14:01
12	1	5938732.pn. and (avail$6 alive$ presen$6)	USPAT	2003/05/14 14:41
13	1	5938732.pn. and (fail$6 releas$6)	USPAT	2003/05/14 15:05
14	0	5938732.pn. and (quer$5)	USPAT	2003/05/14 15:19
15	1	5938732.pn. and (add$6 same acquir$6)	USPAT	2003/05/14 15:20
16	0	5938732.pn. and ((adds adding add) same acquir$6)	USPAT	2003/05/14 15:20
17	1	5938732.pn. and ((adds adding add new) same acquir$6)	USPAT	2003/05/14 15:24
18	0	5938732.pn. and (recover$6)	USPAT	2003/05/14 15:26
19	1	5938732.pn. and (reassign$6)	USPAT	2003/05/14 15:31
20	1	5938732.pn. and (primary (name$3 near server$5))	USPAT	2003/05/14 15:32
21	1	5938732.pn. and (zone$3)	USPAT	2003/05/14 15:32
22	9	((link-beat$5 heartbeat$5 ping) with (modify$6 chang$6) with rate$5) and (7$/$ 370/$).ccls.	USPAT	2003/05/14 17:01
26	1	6370656.pn.	USPAT	2003/05/14 17:01
27	1	("6324580").PN.	USPAT	2003/05/14 17:29
–	5	l'2'tp with (network adj layer$3)	USPAT	2003/05/12 12:13
–	69	ip near tunneling	USPAT	2003/05/12 11:28
–	2	(("6496491") or ("5878040")).PN.	USPAT	2003/05/12 12:19
–	9	(network adj layer$3) with tunnel$6 with ip	USPAT	2003/05/12 12:13
–	47	mobile$5 with ip with tunnel$6	USPAT	2003/05/12 12:39
–	7835	rs adj '232'	USPAT	2003/05/12 12:41
–	166	(rs adj '232') and tunnel$6	USPAT	2003/05/12 14:06
–	8	"295475"	USPAT; EPO	2003/05/12 14:09
–	1	("5600797").PN.	USPAT	2003/05/12 14:10
–	8	5600797.uref.	USPAT	2003/05/12 14:36
–	180	topology and heartbeat$5	USPAT	2003/05/13 14:13
–	6	(("6393485") or ("6272139") or ("6115753") or ("6112249") or ("6111881") or ("5898827")).PN.	USPAT	2003/05/13 14:41
–	52	feit.in.	USPAT	2003/05/13 14:41
–	0	feit.in. and heatbeat$5	USPAT	2003/05/13 14:42
–	3	6178439.uref.	USPAT	2003/05/13 14:42
–	1	("6178439").PN.	USPAT	2003/05/13 14:43
–	5	heartbeat$6 with (point-to-point unicast$3 ppp)	USPAT	2003/05/13 14:54
–	1	("5600797").PN.	USPAT	2003/05/13 14:57
–	1	"7325773"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:00
–	6	"6222956"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:02
–	2	("5894547").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:03
–	2	"9826553"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:07
–	2	("6347339").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:09

–	2	("6205498").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:12
–	1	("0676496").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:14
–	1	("0248508").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:14
–	27	"248508"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:17
–	13	"676496"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:22
–	4838	(ping (control near messag$6) heartbeat$5) same (status state)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:26
–	3846	(ping (control near messag$6) heartbeat$5) same (status state)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:27
–	47	((ping (control near messag$6) heartbeat$5) same (status state)) same (cluster$5)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:28
–	80	((ping (control near messag$6) heartbeat$5) same (status state)) same (cluster$5 topology)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:46
–	21	(dns (domain adj name$5 adj (system$3 server$5))) same (heartbeat$6 ping)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 15:47
–	40	(ping heartbeat$5) same (point-to-point unicast$3 one-to-one)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 16:44
–	44	(ping heartbeat$5) same (point-to-point ppp unicast$3 one-to-one)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 17:30
–	1	6427163.pn. and (availab$6 unavail$6)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 17:15
–	1	6427163.pn. and (heartbeat$5 (control adj message$5))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 17:16
–	2	6427163.pn. and (heartbeat$5 (control neart message$5))	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 17:27
–	1	("5600797").PN.	USPAT	2003/05/13 17:22
–	17	(heartbeat$5 ping) with (unavailab$6)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 17:23

–	1	6427163.pn. and (point-to-point unicast$3 ppp)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 17:29
–	1	6381218.pn. and (point-to-point unicast$3 ppp)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 17:29
–	112	(ping heartbeat$5 beat$5 link-beat$6) same (point-to-point ppp unicast$3 one-to-one)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 17:34
–	1	("5938732").PN.	USPAT	2003/05/13 17:35
–	2	("5938732").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/13 17:35
–	1	6427163.pn. and (status state)	USPAT	2003/05/14 17:29
–	2	("5938732" "6427163").pn. and (status state)	USPAT	2003/05/13 17:44
–	2	("5938732" "6427163").pn. and (heartbeat$6)	USPAT	2003/05/13 17:53
–	42	point-to-point with directly with (send$6 transmit$6)	USPAT	2003/05/13 18:01
–	169	point-to-point with privat$6	USPAT	2003/05/13 18:03
–	3	point-to-point with (privat$6 adj communication$5)	USPAT	2003/05/14 11:21

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... example below on more information how to **monitor** the PPTP ... This tunnel is like an Ethernet
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... We're using a PPP (**Point-To-Point** Protocol) dial-up **connection**. ... if you connect to
XYZ ISP, try to **ping** www.xyz ... Using the Red Hat Network **Monitor** is a good way ...
www.smartcomputing.com/editcat/SMART/ OPERATING+SYSTEMS/400/14887/ - Similar pages

Windows NT Networking: A Collection of Topics
... Figure 4 shows the **Point-to-Point** Protocol (PPP) negotiation between RAS ... the four
echos you see from **ping** on the ... for capturing and viewing Network **Monitor** files ...
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... If the server responds by address, **ping** it by ... client and the server for unicast (**point-to-point**)
traffic ... filtering with the Microsoft Network **Monitor** or similar ...
www.winnetmag.com/Articles/Index.cfm?ArticleID=8290 - 35k - Cached - Similar pages

PVCs and SVCs Troubleshooting IP over ATM PVC Connectivity - ...
... and IP address that you are trying to **ping**. interface ATM2/IMA0.294 **point-to-point**
ip address 10.144.152.1 ... to the router by using the terminal **monitor** command. ...
www.cisco.com/en/US/tech/tk39/tk48/ technologies_tech_note09186a008009465e.shtml - 57k
- Cached - Similar pages

docs.sun.com: TCP/IP and Data Communications Administration Guide
... of the output Using device ipdptp0 indicates a **point-to-point connection**. ... on the host
you want to **monitor** as follows: ... example, if you tried to **ping** the remote ...
docs.sun.com/db/doc/802-5753/6i9g71m4l?a=view - 39k - Cached - Similar pages

Internetworking ISO Layers and Protocols
... them with a spreadsheet program, use Performance **Monitor**. ... an Echo reply (The default
ping packet-size is ... Circuits (ASICs) to route **Point to Point** to individual ...
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... The resolution of **point-to-point** and multipoint ... the Network * Why is it necessary
to **monitor** a network? ... IP connectivity * How and when to use **PING** to test ...
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Monitoring / Alert Utilities
... handy IP package tools: graphical **ping**, traceroute, bandwidth ... is also able to **monitor**
the status ... network configuration problems and **point-to-point** tests will ...
www.netwarefiles.com/monitor.htm - 64k - Cached - Similar pages

NMS Glossary: P
... **ping**. ... The **Point-to-Point** Switching service server process (ppxserv). This server maintains
an internal **connection** database to **monitor** timeslot availability and ...
www.nmscommunications.com/manuals/ glossary/letter_p.html - 23k - Cached - Similar pages

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Shailesh Govekar's Network Glossary

... device to allow a high-speed source to **transmit** data at ... Also known as "**heartbeat**"
in Ethernet. ... SSCPs can **send** requests to, and receive replies from, individual ...
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Protocol Sketch

... The **heartbeat** interval is reset to a minimum value ... is filling and the sender should
send a synchronism ... again, to the responsible sender to **transmit** urgently a ...
jungla.dit.upm.es/~ecastro/ReliableMulticast/ protocolDesc.html - 11k - <u>Cached</u> - <u>Similar pages</u>

[DOC]1

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... If you see errors like □V1_SendTrap: Sendto failed, unable to **send** trap. ... SDL Initialization
complete. Awaiting first **heartbeat** msg. ... **Transmit** Status available. ...
www.bentleytelecom.co.uk/support/ Startrio/instructions/idu.doc - <u>Similar pages</u>

Distributed Simulation- Concepts

... UDP is most often used to **transmit** entity updates ... If a host were to **send** the following
series of ... solution to this dilemma is a **heartbeat message**, also commonly ...
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... Floor control: who may **transmit** at a ... the self-announcement messages that all entities
send periodically ... The rate at which these periodic **heartbeat** messages are ...
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Broadcasting Messages

... to update user displays would **send** a registration ... Default Default **Heartbeat * Transmit**
SILO Receive ... Poll * MOT (in MABs) (in MABs) **Heartbeat** Interval Interval ...
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[PDF]Visitor and Community Network Access **Point** Service Manual Release ...

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... to the VCN AP, a person can **send** data from ... VCN Access **Point** Features 13 and data to
the SuperStack ... AP is connected to the Ethernet switch **directly** through the ...
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... perform one more iteration of the **heartbeat** algorithm to **transmit** any new ... page 78
All **heartbeat** algorithms have the same basic structure; **send** messages to ...
www.redbrick.dcu.ie/~foo/Concurrent/notes3.pdf - <u>Similar pages</u>

[PDF]Microsoft PowerPoint - SCNVELecture3

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...: slowly changing entities to eliminate the **heartbeat** messages of ... all hosts on the network
To **send** a broadcast ... Which protocol should I use to **transmit** this piece ...
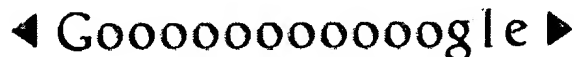
, staff.cs.utu.fi/kurssit/scnve/spring_2002/SCNVELecture3_1.pdf - <u>Similar pages</u>

[PPT]<u>Secure Multicast</u>
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... ourselves that all legitimate members are able to **transmit** and receive ... HB:X = **Heartbeat**
RK:X = Rekey. ... Receiver would **send** a Core Request, its CERTR and a random ...
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